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UNITED STATES DEPARTMENT OF AGRICULTURE  
Bureau of Entomology and Plant Quarantine  
Washington, D. C.

May 3, 1937.

INFORMATION ON PROCEDURE AND PLAN OF OPERATION  
FOR COOPERATIVE CAMPAIGN FOR GRASSHOPPER CONTROL

A Joint Resolution, which has been passed by Congress and approved by the President, providing funds for the control of outbreaks of insect pests, is quoted below:

"That for carrying out the purposes of and for expenditures authorized under the public resolution entitled 'Joint resolution making funds available for the control of incipient or emergency outbreaks of insect pests or plant diseases, including grasshoppers, Mormon crickets, and chinch bugs,' approved April 6, 1937, there is hereby appropriated, out of any money in the Treasury not otherwise appropriated, the sum of \$1,000,000, to remain available until June 30, 1938: Provided, That, in the discretion of the Secretary of Agriculture, no part of this appropriation shall be expended for control of grasshoppers, Mormon crickets, or chinch bugs in any State until such State has provided the organization or materials and supplies necessary for cooperation: Provided further, That transportation of control materials purchased under this appropriation shall be under conditions and means determined by the Secretary of Agriculture as most advantageous to the Federal Government: Provided further, That procurements under this appropriation may be made by open market purchases notwithstanding the provisions of section 3709 of the Revised Statutes of the United States (U. S. C., title 41, sec. 5): Provided further, That this appropriation shall be expended under the personal supervision and direction of the Secretary of Agriculture, who shall make a detailed report to the Secretary of the Senate and the Clerk of the House of Representatives of the several items of expenditures made hereunder."

In view of the fact that the President submitted to Congress an estimate of \$2,000,000 for grasshopper control, in which the emergency created by this outbreak was recognized, and in view of the extent and severity of the impending grasshopper outbreak in many States, all of the funds made available under the above legislation are being allocated to grasshopper control. This appropriation provides only about half the amount estimated as required by the fall grasshopper egg survey. Unless control is materially aided by the weather, these funds must be supplemented extensively by State, county, or private sources if satisfactory general control is to be obtained. Every effort should be made to secure supplies of sawdust and bran through local agencies. Purchases under the Department's funds will be so arranged as to take advantage of such locally available materials through applying savings so made to the purchase of additional sodium arsenite--thus increasing the total bait available for control.





### State Grasshopper Control Committee

In its cooperation with the States for grasshopper control, the Department proposes to utilize the existing Federal and State agencies within the several States, such as the Agricultural Extension Service, the State Agricultural College, the State Agricultural Experiment Station, and the State Department of Agriculture. For the purpose of coordinating State agencies, each State desiring Federal aid in grasshopper control should establish a committee which includes representatives of these agencies and to be known as the State Grasshopper Control Committee. Existing State Grasshopper Control Committees will be recognized but should be submitted for approval with any desired changes in personnel.

### Duties of the Committee

The Grasshopper Control Committee shall establish and be responsible for the State organization for grasshopper control and for securing from county governing bodies cooperation of the character hereinafter specified. This committee shall receive requests for aid from counties, judge their merits and use them as a basis for deciding upon the amount of Federal aid for which the State Committee will petition the Secretary of Agriculture or his duly authorized agents. To aid in this work, it shall designate a trained entomologist to act as its representative and as State Leader in Grasshopper Control. Such State Leader and his duly authorized assistants shall be responsible for the supervision and instruction of grasshopper control leaders in the counties to which Federal aid is extended. The Grasshopper Control Committee shall establish, in each county receiving Federal aid, a County Leader (usually the County Agricultural Agent) who, under the general direction of the State Leader and in accordance with the program and method approved by the Department, will direct grasshopper control campaigns necessary in the county. It shall see (1) that said county leader is furnished with office space, necessary clerical help, facilities for transportation within the county and, when deemed necessary by Federal and State supervising officers, an assistant county leader who will work full time in directing grasshopper control; (2) that provision shall be made in the county to receive and keep a record of all bait materials shipped into the county by the Federal Government, and of the quantities of bait distributed to farmers; (3) that provision is made for the establishment of one or more well equipped and adequately supervised bait mixing stations where bait materials, received from the Federal Government, can be properly mixed or safely stored until needed; and (4) that the distribution and application of mixed bait within the county is effected in a manner approved by the County Leader and State Leader.

### How to Apply for Federal Aid

States threatened with grasshopper outbreaks in 1937 should organize in the manner suggested. After such organization has been effected, the responsible officer of the State Grasshopper Control Committee should apply to the Secretary of Agriculture. The application should include:





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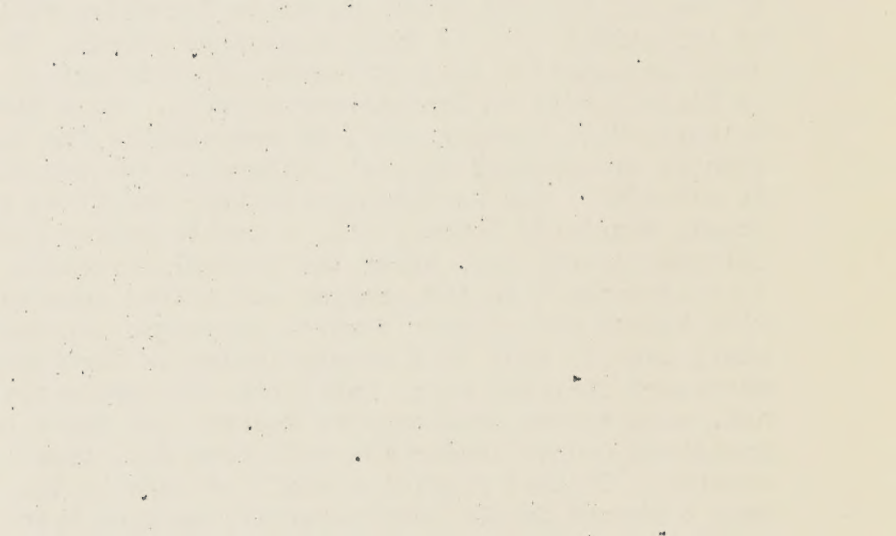
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Information on procedure and plan of  
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coming from the fields of neighbors who have made no attempt at control. In marked contrast with these circumstances are the outstanding results that have been obtained by effective cooperative effort in grasshopper control. Under the latter system crews of county paid or of volunteer help, working under trained local leaders, scatter the bait in proper amounts and at the correct time throughout the entire area wherever grasshoppers are found. Well organized and supervised campaigns of this type, started early in the season and pushed to completion before the grasshoppers are winged, have given nearly 100 percent protection to crops and reduced grasshoppers to such an extent that no control was necessary in the following year.

In the present campaign, it is urged that the County Leader organize his county on a county, township, community or pest control district basis. To accomplish this, educational meetings will be necessary previous to actual poisoning operations, and close supervision will be necessary during the active poisoning season. In counties having large control campaigns it will be necessary in order to secure maximum efficiency that the County Leader have a competent assistant who will devote full time to supervising mixing, distribution, and application of bait. Failure of counties or subdivisions thereof to organize for cooperative grasshopper control, after necessary information and opportunity have been given by the State or County Leader, or failure to follow approved practices and methods will be considered sufficient reason for not allotting materials to such counties or for refusing requests for grasshopper bait received from individuals living in subdivisions thereof.

LEE A. STRONG

Chief, Bureau of Entomology and  
Plant Quarantine

Approved:

H. A. WALLACE

Secretary of Agriculture



